

August 25, 1982

INFORMATIONAL MEMORANDUM

SUBJECT: International Cancer Congress  
Seattle, Wash., Sept. 8-15, 1982

I've obtained a copy of the program for this meeting; it has 283 pages and numerous presentations on different aspects of tobacco and health. Here is a rundown of the relevant items (P = poster presentation):

"Cellular targets and host genes involved in chemical carcinogenesis" -- I.B. Weinstein, N.Y.

"DNA modification and repair in relation to carcinogenesis" -- M. Rajewsky, Essen, W. Germany.

"Induction of tumors by viral information" -- F. Rapp, Hershey, Pa.

"Mechanisms of tumor promotion: evidence for the multistage nature of tumor promotion" -- T. Slaga, Oak Ridge, Tenn.

"Inhibition of chemical carcinogenesis" -- Lee Wattenberg, Minneapolis.

"Cancer prevention -- overview" -- R. Bedwani, Alexandria, Egypt.

"Social psychology applied to deterrence of cigarette smoking in adolescents: some promising results and possibilities as a model in cancer prevention" -- Richard Evans, Houston.

"The controversies in cancer prevention and screening" -- M.M. Henderson, Seattle.

"Classification and prognosis of lung cancer" -- C. Mountain, Houston. (Part of a postgraduate course.)

"Detection of precancerous bronchus metaplasia in heavy smokers and its regression following retinoid treatment" -- G. Mathe et al, France.

"A surveillance study of asymptomatic black males from a high risk area" -- W. Silber, Cape Town, S. Africa.

"Mutagenicity and carcinogenicity of environmental emissions from combustion and comparative sources" -- J. Lewtas, Research Triangle Park, N.C.

"Binding of environmental carcinogens to asbestos and mineral fibers" -- G. Harvey, Quebec.

"Comparison of nickel and cadmium carcinogenicity in the same rat" -- Arthur Furst, San Francisco.

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"Effect of cigarette smoke on the covalent binding of benzo(a)pyrene with DNA of rat trachea in vitamin A deficiency" -- K. Khanduja, Chandigarh, India.

"The effect of exposure to whole cigarette smoke on short-term endpoints in BC3F1/Cum mice" -- Carol Henry et al, including R. Rasmussen, and R. Kouri, Bethesda, Md. (P)(This is a CTR-supported study).

"Effect of metals on cigarette smoke-induced genotoxicity: a study of multiple risk factors" -- M. Rosin et al, including H. Stich, Vancouver.

"The effect of lifetime exposure to whole cigarette smoke in BC3F1/Cum mice" -- Carol Henry et al. (P) (CTR support.)

"Multistage tumor development in the esophagus -- the first complete experimental analysis of an etiologic model situation involving cocarcinogens as environmental risk factors of cancer in man" -- E. Hecker et al, Heidelberg, WE. Germany and Coral Gables, Fla.

"The workplace as a cause of cancer -- the importance of epidemiology in assessing risks" -- David Schottenfeld, New York.

"The changing cigarette: its influence on mortality rates" -- Lawrence Garfinkel, New York (American Cancer Society).

The next nine papers will be given at a session titled "Tobacco Chewing and Smoking in Cancer Causation" that will be cochaired by E. Cuyler Hammond and Ernst Wynder:

1. "Genotoxicity in the saliva of betel nut and tobacco chewers as a predictive tool" -- H. Stich, Vancouver.
2. "Chewers mucosa, a potential oral precancerous condition in Sri Lanka?" -- J. Ramanathan, Sri Lanka.
3. "Cigarette smoking related cancers in Scotland, 1911-1978" -- P. Boyle, Glasgow.
4. "Cancer mortality and smoking cessation among California physicians" -- J. Enstrom, Los Angeles.
5. "Chronological analysis of the relation between lung cancer and cigarette smoking" -- W. Mori, Tokyo.
6. "Smoking, AHH inducibility and respiratory tract neoplasia: a prospective study in middle-aged men" -- E. Trell et al, Sweden.
7. "Determination of smoking-specific lung cancer rates in epidemiologic studies" -- E. Radford, Pittsburgh.
8. "Cigarette smoking and radiation exposure in relation to cancer

03734972

- mortality in Hiroshima and Nagasaki, Japan" -- R. Prentice et al, Seattle and Tokyo.
9. "Smoking and cervical cancer: evidence from a study of cervical dysplasia" -- E. Clarke et al, Toronto.
- "Overview and extrapolation from mutagenicity" -- P. Magee, Philadelphia.
- "Cancer ecogenetics: genetic susceptibility to carcinogens" -- J.J. Mulvihill, Bethesda.
- "Response of chemicals either identified or suspected to be carcinogenic in humans in multiple short-term tests" -- H. Bartsch, Lyon, France.
- "Interspecies, interindividual and intercell-type variations of metabolism of benzo(a)pyrene in epidermal and dermal cells" -- T. Kuroki, Tokyo.
- "Positive correlation between high AHH activity and primary lung cancer in humans" -- R. Kouri et al, including CTR grantee T. McLemore, Bethesda, and Houston.
- "Cancer and total mortality among vitamin supplements users" -- Enstrom, Los Angeles.
- "Coffee consumption and cancer: a prospective study" -- E. Bjelke, Bergen, Norway.
- "Dietary habits and lung cancer" -- G. Kvale et al, including Bjelke, Bergen and Bethesda.
- "Dietary factors and lung cancer mortality. The Lutheran Brotherhood Study 1966-1977" -- Bjelke et al, Bergen, Bethesda and Minneapolis.
- "Dietary cholesterol consumption and lung cancer risk in a multiethnic population" -- M. Hinds et al, Honolulu.
- "Dietary intake of potassium and sodium influences cancer rates" -- B. Jansson, Houston.
- "Experimental induction and characterization of pulmonary large cell carcinoma" -- W. Blair, Chicago.
- "Comparison of experimentally induced carcinoma with human large cell carcinoma of the lung" -- J. DiMauro, Chicago (Blair's coworker).
- "Biological, ultrastructural and biochemical evidence for a retrovirus etiology of pulmonary carcinoma of sheep -- a model system in comparative oncology" -- K. Perk, Israel. (P)
- "The impact of cancer on black and white females in Metropolitan

03734973

Detroit" -- D. Eckert, Detroit.

"Cancer mortality among immigrants to Canada" -- R. Dewar, Edmonton. (P)

"Quality of cancer data obtained by household interviews" -- R. Czaja, Chicago. (P)

"Time trend data of histological subtypes of lung cancer in Japan: observation at the Cancer Institute Hospital from 1961-1978" -- E. Tsuchiya, Tokyo. (P)

"Cancer incidence in Hispanic populations in urban and rural areas" -- P. Mills, Houston (P)

"Relationship between birth cohort effects and falling mortality rates of lung and stomach cancer in Great Britain and other countries" -- J. Janis and L. Kupper, Chapel Hill, N.C. (P)

"Overview: naturally occurring carcinogens in human cancer development" -- J. Weisburger, Valhalla, N.Y.

"N-nitroso compounds in the external environment" -- R. Preussmann, Heidelberg, W. Germany.

"Formation of N-nitroso compounds in vivo" -- M. Archer, Toronto.

"Mutagens and carcinogens in food produced by cooking and storage" -- M. Nagao et al, including T. Sugimura, Tokyo.

"Naturally occurring carcinogens of plant origin" -- I. Hirono, Tokyo.

"Radiation (as a natural carcinogen)" -- A.C. Upton, New York.

"Geographic epidemiology: overview" -- G. O'Connor, Bethesda.

"Worldwide trends in cancer incidence" -- C. Muir, Lyon, France.

"The etiologic clues from cancer mortality maps in China" -- J-Y. Li.

"Field studies in high risk areas in the U.S." -- W. Blot and J. Fraumeni, Bethesda.

"International studies of breast cancer" -- D. Trichopoulos, Athens, Greece.

"Inverse correlation between serum cholesterol and fatal neoplasia in middle-aged men" -- B. Petersson, Sweden. (P)

**03734974**

"Effects of agents of environmental concern on the immune response and their possible epigenetic role in carcinogenesis" -- J. Dean, Research Triangle Park.

"Heavy metals: immune system modulation and carcinogenesis" -- L. Koller, Moscow, Ida.

"Facilitation of cancer cell metastasis by inhalation of air pollutants" -- A. Richters, Los Angeles.

"Antitumor cytotoxicity of human pulmonary alveolar macrophages in lung cancer" -- J. Hengst, Los Angeles. (P)

"Inhibitory and stimulatory effects of macrophages on tumor growth" -- J. Leibovici, Tel Aviv. (P)

"Cancer mortality in physicians and lawyers. A birth cohort study" -- M. McCrea Curnen, New York. (P)

"An occupational cancer mortality study in the Gary-Hammond-East Chicago-SMSA, Indiana" -- T. Namekata, Seattle. (P)

"Lung cancer cell types and occupational exposure: case controls and case-case study" -- M. Geddes, Florence, Italy. (P)

"Environmental asbestos and mesothelioma in dairy calves" -- W. Croft, Madison, Wis. (P)

"Cancer mortality among plutonium and other nuclear workers" -- G. Wilkinson, Los Alamos, N.M. (P)

"An epidemiologic case-control study of bladder cancer in a predominantly rural district in Denmark" -- S. Mommsen, Aarhus, Denmark. (P)

"Contribution and mechanisms of genetic predisposition to cancer" -- A.G. Knudson, Jr., Philadelphia.

"Chromosomes, cancer genes and carcinogenesis" -- D. Harnden, Birmingham, England.

"Genetic markers of cancer susceptibility" -- F. Cleton, Amsterdam, The Netherlands.

"Human heritable disorders linking carcinogen hypersensitivity and DNA repair deficiency with cancer proneness" -- M. Paterson, Ontario.

"Cigarette smoking and lung cancer: an overview" -- Oscar Auerbach, East Orange, N.J.

"Lung cancer in uranium miners" -- G. Saccomanno, Grand Junction, Colorado.

"Pathology of nasopharyngeal cancer - correlations with epidemiology and environmental carcinogens" -- K. Shanmugaratnam, Singapore.

**03734975**

The following five papers will be given at a session titled

"Smoking and Cancer: A Comprehensive Approach" and cochaired by Nigel Gray, Australia, and Allan Jonas, Los Angeles. Gray will open with an overview.

1. "The politics of tobacco abuse" -- Jonas.
2. "Obstacles to health promotion" -- M. Daube, Edinburgh.
3. "The role of associations and the Comite Francais d'Education Pour la Sante in the prevention of smoking in France" -- T. Jean, Paris.
4. "Recent advances in treatment for smokers" -- M.A.H. Russell, London, England.
5. "Prevention of the smoking epidemic in Egypt" -- O. Sherif, Cairo.

"Time trends in cancer incidence and mortality in the United States" -- S. Devesa, Bethesda.

"Cancer mortality and life-style among active Mormons" -- J. Enstrom, Los Angeles.

"Oral cancer in Scotland, 1911-1978" -- P. Boyle, Glasgow.

"Trends of lung cancer incidence and their histological distribution in Osaka" -- I. Fujimoto, Osaka, Japan.

"The incidence of mesothelioma in the U.S." -- R. Connelly, Bethesda.

"Epidemiology of bladder cancer in Yorkshire, England" -- R. Cartwright, Leeds.

"Life-style variables in cancer etiology" -- Wynder.

"Assessment of low-level risks" -- M.C. Pike, Los Angeles.

"Carcinogens and anticarcinogens" -- B. Ames, Berkeley, Cal.

"Creating positive news for cancer control" -- Irving Rimer, N.Y. (American Cancer Society.)

"The performance of mass media in covering high:priority cancer control topics" -- J.P. Van Nevel, Bethesda.

"Brain, behavior and human immunity" -- S. Locke, Boston. (P)

"Congenital chromosome abnormalities and predisposition to cancer" -- H. Van den Berghe, Leuven, Belgium.

**03734976**

"Chromosomes and carcinogenesis: public health application" -- A. Sandberg, Buffalo, N.Y.

"Structural factors that enhance or attenuate the carcinogenicity of polycyclic aromatic hydrocarbons" -- S. Yang, Bethesda.

"High degree of immune dysfunction among asbestos workers at high risk of developing neoplasia" -- J. Bekesi et al, including Irving Selikoff, New York.

"Regional variations in lung cancer reporting in the U.S. The centralized cancer patient data system" -- R. Reimer, Seattle.

"3H-Benzo(a)pyrene metabolism in lungs of naphthalene-treated mice" -- CTR grantee R. Rasmussen, Irvine, Cal. (P)

"Syncarcinogenic effect of the environmental pollutants cyclopenta(cd)pyrene and benzo(a)pyrene in mouse skin" -- E. Rogan, Omaha. (P)

"Comparative metabolism of benzo(a)pyrene in primary cultures of mouse and hamster epidermal cells" -- J. DiGiovanni, Philadelphia. (P)

"Effects of the cocarcinogen benzo(e)pyrene on the binding of the carcinogen benzo(a)pyrene to DNA in hamster embryo cell cultures" -- W. Baird, West Lafayette, Ind. (P)

"Benzo(a)pyrene transport into human cells via lipoprotein carrier" -- CTR grantee D. Busbee, Denton, Tex. (P)

"The effect of carrier protein on the oxidation products of benzo(a)pyrene of microsomal cytochrome P-450" -- O. Hanson-Painton, Oklahoma City. (P)

"Developmental effects of the environmental carcinogen benzo(a)pyrene" -- J. Hose, Los Angeles. (P)

"Economic costs of cancer in the U.S." -- T. Hodgson, Hyattsville, Md.

"Food additives and coffee as risk factors" -- G. Newell, Houston.

"Parental exposures in cancer risk in offspring: epidemiologic approaches" -- T. Pendergrass, Seattle.

"Inborn susceptibility syndromes" -- T. Schroeder, Heidelberg, W. Germany.

"Cell transformation by some Ames negative chemicals in Syrian hamster embryo cells" -- D. Amacher, Groton, Conn.

"An assay for mutagenic activities in human saliva: smokers vs. nonsmokers" -- J. Fliessbach, N.Y.

**03734977**

"Human hepatocytes and pulmonary alveolar macrophages mediated mutagenesis of chemical carcinogens" -- I-C. Hsu, Bethesda.

"CEA and sputum cytology in a population with a high lung cancer risk" -- C. Mittman, Duarte, Cal. (P)

"Cigarette smoking and appetitive behaviors: implications for cancer" -- N. Grunberg, Bethesda. (P)

"Environmental mutagens, carcinogens and tumor promoters" -- T. Sugimura, Tokyo.

The next five papers will be given at a session titled "Smoking, Chewing and Cancer" cochaired by C. Herrera, Argentina, and Jesse Steinfeld, U.S.

1. "Lung cancer prevention: why, where and how the UICC has tried to assist this political and cultural process" -- Nigel Gray, Melbourne, Australia.

2. "The woman smoker: current trends in behavior and biomedicine" -- E. Gritz, Los Angeles.

3. "Smoking and chewing in the developing world: the epidemiological approach" -- T. Hirayama, Tokyo.

4. "Health behavior change: an overview" -- L. Green, Houston.

5. "The prevention of smoking among teenagers" -- D. Nostbakken, Toronto.

"Proportion of lung cancer cases attributable to occupational exposure and cigarette smoking" -- U. Pastorino, Milan, Italy.

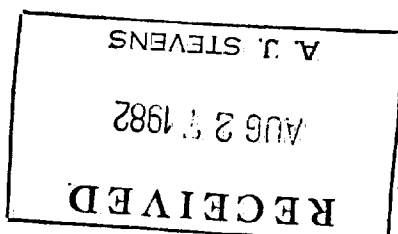
"Male lung cancer in northern Sweden. A descriptive and analytical epidemiologic study" -- L. Damber, Sweden.

"Fate of the tobacco-specific carcinogen NKK in mice, rats and hamsters" -- A. Castonguay, Valhalla, N.Y.

"Alpha-1-antitrypsin as a biologic marker of malignancies" -- J. Nunez-Cortes, Madrid.

"Effects of vitamin C on cigarette smoke inhalation toxicity in Syrian golden hamsters" -- T. Harada, Tokyo. (P)

Not included in this memo are those sessions covering the efforts of voluntary agencies in combating cancer and smoking. Also omitted were most papers dealing with antismoking programs aimed at young people.



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